NON MAGNETIC CIRCLE
NON MAGNETIC CIRCLE, MOVABLE MATERIAL
CREWS W.C. (S)
CREWS WASHROOM (P)
LAUNDRY ROOM
PASSAGE
STEERING GEAR COMPT.
D-204
PEAK TANK D-109
STORES D-205
STORES D-108
PROVISIONS STORES D-107
CREW SPACE D-202
3"-50 CAL MAGAZINE D-106 M PORT
DEPTH CHARGE D-106 S STBD.
HANDLING ROOM
ORDNANCE STORES D-104
C & R STORES D-201
FUEL
OIL TANK
D-101
ENGINE ROOM C-103
ENGINE ROOM C-102
RESERVE FEED TANK-C-101
BOILER ROOM B-108
BOILER ROOM B-108
PASSING SCUTTLE
GALLEY
SCULLERY
ICE BOX
B-107
MARINE HATCH
HATCH
MARINE ACCOMMODATIONS B-201L
MARINE STORES B-104
FUEL OIL TANK B-101
CREWS COMPANION HATCH
PASSAGE A-315
HATCHWAY
FUEL OIL TANK A-116
HANDLING ROOM A-113
3"-50 CAL. AMMUNITION A-111-M
CHART HOUSE
PILOT HOUSE
OFFICE
N.M. CIRCLE FOR FIXED MATERIAL
N.M. CIRCLE FOR MOVABLE MATERIAL
WARD ROOM A-311
CREW SPACE A-205
FUEL OIL TANKS A-108 PORT A-109 STBD.
CREW SPACE A-204
FUEL OIL TANKS A-106 PORT A-107 STBD.
C.P. OFFICERS A-303
CREW SPACE A-203
PASSAGE A-306
A-202 UNDERWATER SOUND DRIVING EQUIPMENT
A-102 UNDERWATER SOUND ROOM
A-103
STORE ROOM A-302
CHAIN LKR.
GK. GEAR LKR. A-201
LAMP ROOM
A-301
PEAK TANK
A-101
W.L.
MOULDED BASE LINE
SHIELD FOR UNDERWATER SOUND DOME
A.P. 176 174 172 170 168 166 164 162 160 158 156 154 152 150 148 146 144 142 140 138 136 134 132 130 128 126 124 122 120 118 116 114 112 110 108 106 104 102 100 98 96 94 92 90 88 86 84 82 80 78 76 74 72 70 68 66 64 62 60 58 56 54 52 50 48 46 44 42 40 38 36 34 32 30 28 26 24 22 20 18 16 14 12 10 8 6 4 2 F.P.
W.T.
O.T.

INBOARD PROFILE
U.S.S. MANLEY
SCALE 1/8"=1'-0"

~~RESTRICTED~~
~~ACCOUNTABLE~~

CLASSIFICATION CANCELLED
By authority of letter Chief BuShips 11 June 1954
By H. W. Oakes
Date 15 Jan 1963

U.S.S. MANLEY
APD-1

CONTENTS	PAGE
GENERAL INFORMATION	1
OUTBOARD PROFILE	2
INBOARD PROFILE	3
MAIN DECK	4
1ST PLATFORM DECK	5
2ND PLATFORM DECK	6
HOLD	7
MIDSHIP SECTION	8
CROSS SECTIONS	9

CORRECTED TO SUIT SHIP		
PLACE	DATE	CONSTRUCTION OFFICER
NORFOLK NAVY YARD	APRIL 23 1934	A.O. GIESELMAN FOR MANAGER
NORFOLK NAVY YARD	APRIL 6 1937	DUANE L. TAYLOR FOR MANAGER
NORFOLK NAVY YARD	AUG. 24 1939	DUANE L. TAYLOR FOR MANAGER
NORFOLK NAVY YARD	APRIL 17 1940	DUANE L. TAYLOR FOR MANAGER
CHARLESTON NAVY YARD	NOV. 1941	
CHARLESTON NAVY YARD	MAY 29 1942	R. A. Himes
U.S. NAVAL DRYDOCKS, HUNTERS POINT L.S.	AUG. 12, 1943 LSK	

Office of the Superintending Constructor
BATH IRON WORKS
Bath Maine
OCT. 10 1917
J.H. WALSH
NAVAL CONSTRUCTOR U.S.N.
Superintending Constructor

BOOKLET
OF
GENERAL PLANS

PLAN Nº 42
PREPARED IN THE OFFICE OF BATH IRON WORKS

DELINEATOR R.W.
TRACED BY R.W.
CHECKED BY J.L.E.
R.C. COWLES
ASST. CHIEF DRAUGHTSMAN
DATE OCT. 9. 1917

SERIAL Nº [redacted]

JOHN M. SIMS
SUPT. OF CONSTRUCTION

BU. SHIPS Nº 526179

SERIAL Nº	KIND & Nº	TO WHOM ISSUED	BY	DATE
APD1-2	1-V.D.	BUSHIPS	CHAS.	MAY 29, 1942
APD1-2-1	1 B/P	CH. NAV. OP.	"	"
2-2	1 B/P	BU. ORD.	"	"
2-3 & 2-4	2 B/P	COMDT. N.YD. BOSTON	"	"
2-5 & 2-6	2 B/P	" " " PHILA.	"	"
2-7 & 2-8	2 B/P	" " " NORFOLK	"	"
2-9 & 2-10	2 B/P	" " " M.I.	"	"
2-11 & 2-12	2 B/P	" " " P.S.	"	"
2-13 & 2-14	2 B/P	" " " P.H.	"	"
2-15 & 2-16	2 B/P	" " " PORTS, N.H.	"	"
2-17 & 2-18	2 B/P	" " " NEW YORK	"	"
2-19 & 2-20	2 B/P	" " " CHAS.	"	"
2-21	1 B/P	PRES. N.W. COLL.	"	"
2-22 THRU 2-31	10 B/P	C.O. U.S.S. MANLEY	"	"
2-32	1 B/P	COMAMPHFORLANT	"	"
2-33	1 B/P	COMTRANAMPHFORLANT	"	"
2-34	1 B/P	COMTRANDIV. 11	"	"
2-35	1 B/P	SR. MBR. INT. CONT. BD.	"	"
2-36	1 B/P	OPNAV SEC. F-20	M. I.	
2-37	1 "	COMTRANSPHIBPAC	"	5-25-43
2-38, 2-39	2 "	HUNTERS POINT	H.P.	6-5-43
3-0	VD	BU. OF SHIPS	M.I.	25-AUG-43
0-40	1-BP	C. N. O.		
0-41	1-"	BU. ORD.		
0-42, 0-43	2-"	COMDT NYNYK		
0-44, 0-45	2-"	" NY PHILA.		
0-46, 0-47	2-"	" NYN OR.		
0-48, 0-49	2-"	" NYBOST.		

SERIAL NO.	KIND & Nº	TO WHOM ISSUED	BY	DATE
0-50, 0-51	2 BP	COMDT NY CHARLS.	M. I.	25-AUG 43
0-52, 0-53	2 "	" NY PORTS.		
0-54, 0-55	2 "	" NY PS		
0-56, 0-57	2 "	" NY PEARL.		
0-58	1 "	NAVWAR COL.		
0-59	1 "	I.C. BOARD		
0-60, 0-64	5 "	C.O. APD1 (MANLEY)		
0-65	1 "	COMPHIBFOR (3RD FLEET)		
0-66	1 "	COMTRANSPHIBFOR (3RD FLEET)		
0-67	1 "	COMTRANSDIV 12		
0-68, 0-69	2 "	HUNTERS POINT		
0-70, 0-71	2 "	NY M.I.		
0-72	1 "	FLG. MAN OFF SEE FOR PAC.	"	12-1-43

C+R. 526179

U.S.S. MANLEY
APD 1
FINISHED PLAN

TAKEN FROM WORK EXAMINED
AND FOUND CORRECT
NAVY YARD CHARLESTON, S.C.

APPROVED:
R. A. Himes
FOR MANAGER

DATE: MAY 29, 1942
BUSHIPS NO. 526179

THIS PLAN HAS BEEN TRACED FROM U.S.S. MANLEY (AG 28) BOOKLET OF GENERAL PLANS C & R. Nº 47515 AT NAVY YARD CHARLESTON S.C. MAY 15, 1942

TRACED BY: C.H.D.
CHECKED BY: M.R.H.

DIMENSIONS

LENGTH BETWEEN PERPENDICULARS	310'-0"
PROJECTION FORD OF F.P.	3'-0"
PROJECTION AFT. OF A.P.	2'-6"
LENGTH OVERALL	315'-6"
LENGTH ON STRAIGHT KEEL	264'-5"
BREADTH MOULDED, W.L.	30'-7"
BREADTH MOULDED EXTREME	30'-8"
BREADTH, EXTREME OVER GUARDS	31'-4"
DEPTH MOULDED, MAIN DK AT SIDE	19'-8½"
DRAFT MEAN, FROM BOTTOM OF KEEL	7'-10½"
DISPLACEMENT, NORMAL	1087 TONS
TONS PER INCH	14.66 "
AREA, IMMERSED MIDSHIP SECTION, SQ.FT.	210
AREA, NORMAL WATER PLANE, SQ.FT.	6157
AREA, WETTED SURFACE, SQ.FT.	9705
C.G. OF WATER PLANE AFT OF FR. 89, FT.	3.69
C.B. ABOVE BOTTOM OF KEEL FT.	4.63
C.B. FORD OF FR. 89, FT.	.63
TRANSVERSE METACENTRE ABOVE C.B. FT.	8.66
LONGITUDINAL METACENTRE ABOVE C.B. FT.	736.
COEFFICIENT OF FINENESS, BLOCK	.51
" " , CYLINDRICAL	.60
" " , MIDSHIP SECTION	.86
" " , WATER LINE	.65
RATIO LENGTH TO BEAM	10.12

NUMBER OF FRAMES	177
FRAME SPACING	1'-9"
M.P. FORD OF FR. 89	9"
BASE LINE TO BOTTOM OF KEEL	[illegible]
KEEL LINE ABOVE BASE LINE AT F.P.	12"
" " BELOW " " " A.P.	12"
RUDDER AXIS FORD OF A.P.	6'-4½"
AREA OF RUDDER, SQ.FT.	66.5
PROPELLER ℄ FORD OF A.P.	17'-4"
STRUTS FORD OF A.P.	21'-5"
NUMBER OF W.T. COMPARTMENTS	24
" " FUEL OIL COMPARTMENTS	11

BATTERY

4 - 3"-50 CAL. GUNS
NO 1 ℄, FRAME 29, MN. DK.
NO 2 ℄, FRAME 153, AFTER DK HOUSE TOP
NO 3 ℄, FRAME 78, GUN PLATFORM
NO 4 P, FRAME 78, GUN PLATFORM.

FOUR - 20 M/M MACH. GUNS

HEIGHTS ABOVE D.W.L. (8'-0")

MACHINERY

4 PARSONS MARINE STEAM TURBINES FITTED WITH REDUCTION GEAR TO PROPELLER SHAFTS
S.H.P. 20,000 AT 462 R.P.M.
240 LBS. STEAM AT H.P. TURBINE

BOILERS

2-NORMAND, RETURN FLAME TYPE
260 LBS. STEAM PRESSURE
FURNACE VOLUME, EACH 545 CU. FT.
HEATING SURFACE 3375 SQ. FT. EACH BOILER
MAIN STEAM PIPE 9½" DIA.

COMPLEMENT

FIRE PLUGS

MAIN DECK	5
1ST PLATFORM DECK AFT	1
2ND " " FORD.	1
ENGINE ROOM	1
TOTAL	8

AUXILIARY MACHINERY

STEERING ENGINE

HYDE WINDLASS CO., MAKERS
COMBINED HAND AND STEAM SCREW TYPE.
VERTICAL ENGINE, DOUBLE CYLINDER 6½" × 8"
STEAM PRESSURE 200 LBS.

WINDLASS

HYDE WINDLASS CO., MAKERS
VERTICAL TYPE, FITTED WITH GYPSY HEAD FOR 1" CLOSE LINK CHAIN
DOUBLE CYLINDER 5" × 4".
STEAM PRESSURE 200 LBS.

VENTILATION

GENERAL ELECTRIC CO., MAKERS
TWO ENCLOSED ELECTRIC MOTORS
ONE OPEN
ONE FAN 2500 C.F.M. CAPACITY
TWO FANS 1000 C.F.M. " , EACH.

PROPELLER & SHAFT DATA

SHAFTS INCLINE UP AND FORD AT AN ANGLE OF	2½°
" " IN " " " " "	1°
SHAFTS HEIGHT ABOVE BASE AT FR. 99	90"
" " " " " FR. 168	25"
" DISTANCE FROM ℄ AT FR. 99	65"
" " " " " FR. 168	87½"
" , VERTICAL PITCH PER FOOT	.538"
" , HORIZONTAL " " "	.184"
2-SCREWS, 3 BLADED, DIAMETER	97"
, PITCH	108"
DISTANCE FROM ℄ OF SCREW TO ℄ OF SHIP	87"
PROJECTED AREA, 3 BLADES	4064 SQ. IN.
DEVELOPED " "	4865 SQ. IN.

TANK CAPACITIES

COMPARTMENT	GALLONS	TONS, F.W.	TONS, S.W.	
A-101	915	3.39	3.49	
A-102	2379	8.86	9.13	
A-117	4325	16.06		
B-103	3915	14.50		
B-104	3915	14.50		
C-101	5080	18.86		
D-109	2461	9.14	9.41	
TOTALS	22987	85.31	22.03	
F.O. TANKS	GALLONS	TONS	95% GALL.	95% TONS
A-105	7860	26.67	7465	[illegible]
A-106	8125	27.16	7720	25.80
A-107	8125	27.16	7720	25.80
A-108	5665	18.95	5380	18.03
A-109	5665	18.95	5380	18.03
A-114	[illegible]	21.61	[illegible]	[illegible]
A-115	6445	21.58	6125	20.45
A-116	8300	27.79	7885	26.40
D-101	10235	34.19	9725	[illegible]
D-102	10415	34.76	9895	33.0[illegible]
D-103	10520	35.09	9995	33.31
TOTALS	87820	293.33	83430	278.94

U.S.S. MANLEY APD-1